

thermo scientific



Superspeed centrifuges

Performance simplified at every turn

Sorvall LYNX Superspeed Centrifuge Series

Find it at eu.fishersci.com

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part of Thermo Fisher Scientific

Superspeed centrifugation simplified at every turn

The Thermo Scientific™ Sorvall™ LYNX Superspeed Centrifuge Series features powerful technologies with breakthrough simplicity.

Multiple users. A variety of processing requirements. A range of user experience. To overcome these everyday challenges of a shared laboratory setting choose the Sorvall LYNX superspeed centrifuge. —The result? Productivity, safety, and reliability simplified.



Push-button security and application flexibility

Thermo Scientific™ Auto-Lock™ Rotor Exchange



Improved ergonomics and performance

Thermo Scientific™ Fiberlite™ Carbon Fiber Rotors



Immediate rotor detection and programming

Thermo Scientific™ Auto-ID™ Instant Rotor Identification



One-handed user and sample protection

Thermo Scientific™ ClickSeal™ Biocontainment Lids

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Performance simplified at every turn



The superspeed centrifuges are available in two sizes:

- Sorvall LYNX 6000 Superspeed Centrifuge (6 L capacity)
- Sorvall LYNX 4000 Superspeed Centrifuge (4 L capacity)

Exceptional performance

meeting evolving application needs, from academic research to production facilities, with up to 100,605 x g, and up to 6 Liters capacity.

Versatile, high-throughput sample processing

from 6 x 1 L bottles, to 40 x 50 mL conical tubes, to 24 microplates per run. Help save time and ensure sample integrity with fast acceleration and deceleration rates, combined with smooth runs at all speeds.

Built-in safety and efficiency

- Rotor innovations—from Auto-Lock rotor exchange, to Auto-ID instant rotor identification, to speed handles on each rotor lid—shorten run set-up time while providing peace-of-mind that the rotor is secure

- Lightweight, corrosion-resistant Fiberlite carbon fiber rotors, including Thermo Scientific™ Fiberlite™ LEX Rotor designs, help improve ergonomics and performance
- Touchscreen interface with bright, highly visible, and durable display helps simplify run setup while providing onboard training and access controls, such as user login with password protection
- Real-time run monitoring and control with Thermo Scientific™ Centri-Vue™ Application
- Compact, non-bolt-down design, automatic door opening, and an integrated surface work space help optimize everyday centrifuge use

Proven reliability

with robust design for consistent results and maximum uptime, year after year.



Auto-Lock rotor exchange

Secure, push-button rotor exchange in less than 3 seconds helps deliver:

- Improved safety and confidence that the rotor is automatically and securely locked during a run
- Trouble-free rotor installation and removal
 - No tools are required
 - The rotor locks itself to the centrifuge, eliminating the need for hand-tightening
- Flexibility to quickly change rotors and applications, matching the needs of your laboratory—today and in the future



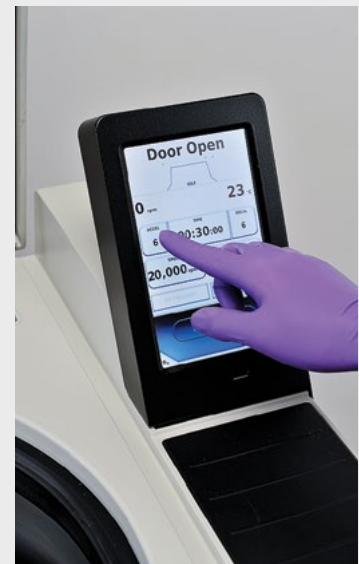
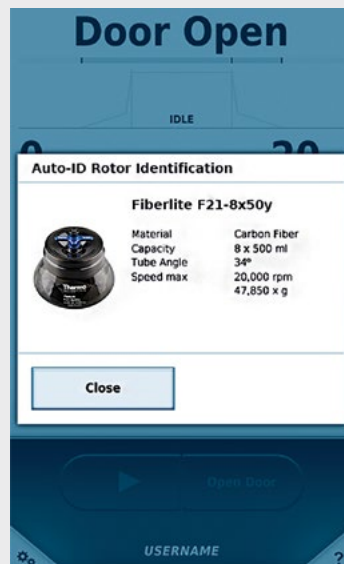
Secure, trouble-free rotor installation and removal in as little as 3 seconds

Auto-ID instant rotor identification

Immediate identification of a rotor when secured in the centrifuge chamber, with rotor specifications automatically loaded into the centrifuge parameters:

- Shortens run setup time by eliminating the need to find and set rotor codes
- Helps eliminate over-speed risk, reduce error messages, and improve centrifuge, sample, and operator safety

Auto-ID instant rotor identification helps improve safety, save time, and protect the integrity of your samples



1. Place rotor into the centrifuge chamber
2. Rotor is immediately detected and its parameters are loaded
3. Confirm settings and begin run

Thermo Scientific™ Fiberlite™ LEX Rotors

The next generation of high capacity Fiberlite rotors, the Fiberlite LEX rotor series further advances carbon fiber design and is now available in 6 Liter capacity.

These rotors combine:

- **Excellent ergonomics:**
Lightweight with improved ergonomics for everyday ease of handling
- **Exceptional performance:**
Achieve outstanding RCF performance for enhanced productivity—up to 17,670 x g with the Thermo Scientific™ Fiberlite™ F9-6x1000 LEX Fixed Angle Rotor
- **Enhanced safety:**
From lightweight design and lifting handles, to biocontainment technology and certifications, these rotors provide multiple levels of laboratory and operator protection to help enhance safety without compromising functionality or convenience

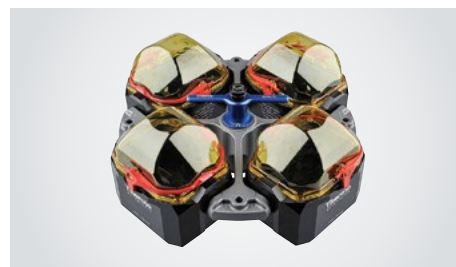
Extensive rotor portfolio

Supports multiple users and evolving research needs—from microtubes up to 1 L bottles.

- **Fiberlite carbon fiber rotors:** Simply lighter, more secure investment
 - Lightweight carbon fiber and innovative construction allow unique rotor designs not possible with metal
 - Corrosion and fatigue resistance helps secure the rotor's structural integrity for unequalled durability
 - Backed by a 15-year warranty²
- **Swinging bucket rotors:** Versatility and expanded capacity at high RCF with dozens of adapters for research flexibility
- **Fixed angle rotors:** Complete portfolio for commonly used 50 mL, 50 mL conical, 250 mL, 500 mL and 1 L tubes and bottles with specialty rotor options to address specific protocol requirements
 - Dedicated conical tube rotors, which allow samples to be run in inexpensive, disposable conical tubes at more than 60,000 x g
 - High-speed microtube rotor
 - Titanium rotor for RCFs up to 100,605 x g
- **Continuous flow/zonal rotors:** Scale-up flexibility from superspeed applications to harvesting and clarification



Innovative speed handles help make tightening the lid safer while also simplifying lid removal



Thermo Scientific BIOFlex HC rotor supports up to 40 x 50 mL conical tubes, 96 x 15 mL conical tubes, 24 microplates, and over 35 other tube styles with dozens of adapters for research flexibility




2. Subject to Thermo Fisher Scientific's standard limited warranty. See thermofisher.com or your sales representative for details.

Two Sorvall LYNX models with their capacity and performance

Choose between the **Sorvall LYNX 4000 Centrifuge** for 4 L capacity and performance up to 68,905 x g, and the **Sorvall LYNX 6000 Centrifuge** for 6 L capacity with:

- RCF up to 100,605 x g with broad rotor portfolio supporting higher performance and continuous flow/zonal capability
- Additional energy efficiency settings with Smart Vacuum
- Expanded levels of biosafety with an optional HEPA filter

Biocontainment security

- To help enhance containment of biohazardous samples, superspeed rotors certified by the Public Health Laboratory Service, Microbiology Services, Porton Down, UK or TÜV NORD CERT GmbH, Germany are noted by 

- In case of tube or bottle failure, a volume of fluid is contained in a special curved containment annulus at the top of most fixed angle rotors
- Sorvall LYNX 6000 Centrifuges with HEPA filters provide an additional level of safety in case of tube or bottle failure



Sorvall LYNX 6000 and Sorvall LYNX 4000 centrifuges



Operation simplified at every turn

Touchscreen interface

Simple and quick run setup with a glove-friendly, large, bright, interactive touchscreen for all centrifuge functions and durable for use run after run, year after year.

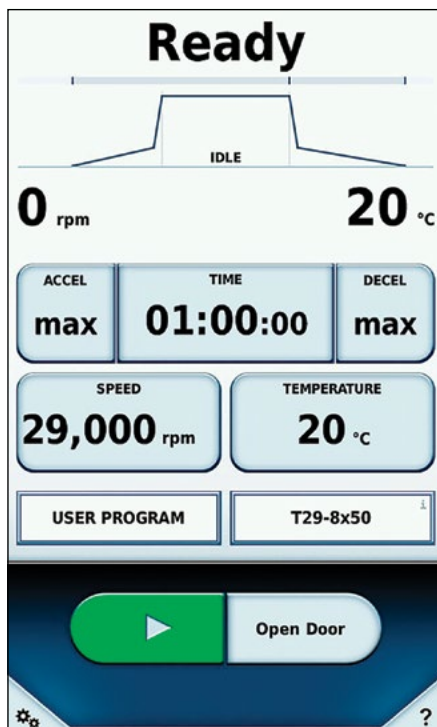
- Create up to 120 programs with alpha-numeric naming for easy access
- In-use training with onboard tutorial videos and a quick-start manual
- Integrated rotor calculator for simplifying protocol modifications and transfers
- Operator and run logging and reporting via USB port
- Highly visible backlit display of set and actual run conditions, enlarged during the run for clear visibility — even from across the lab
- Multilingual instructions, including English, German, French, Spanish, Chinese, Japanese, Portuguese, and more on programming, run conditions, alerts, and service messages

- User access control with optional password protection, well-suited for a multi-user environment. In total, 120 users can be created.
- Designed to support GMP/GLP compliance with data logging and easy-to-use Thermo Scientific™ Centri-Log™ Plus Data Management Software



Glove-friendly touchscreen interface

Simple, quick run setup and monitoring



Status information

Run parameters

Control and configuration

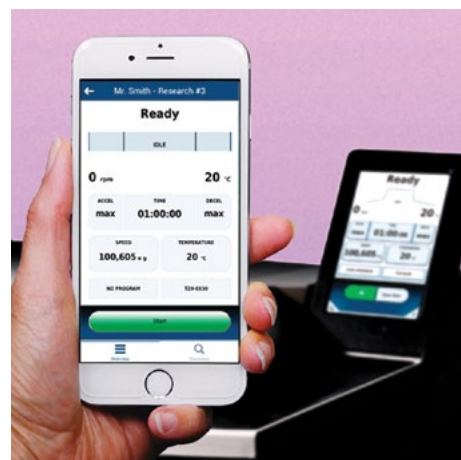
Easily set current parameters and monitor centrifuge status

Data management simplified at every turn

Connection simplified

Our Centri-View application provides real-time connection with your Sorvall LYNX superspeed centrifuges. From your mobile device, check your run status or if a centrifuge is available without even leaving your office or lab space.

- Determine status at a glance of 1 or up to 100 centrifuges
- Monitor your run
 - Replicate instrument main screen on your smart device
 - Know when your run is complete
 - Check for diagnostic errors affecting your run
- Establish secure centrifuge connection for start or stop control



Data management simplified

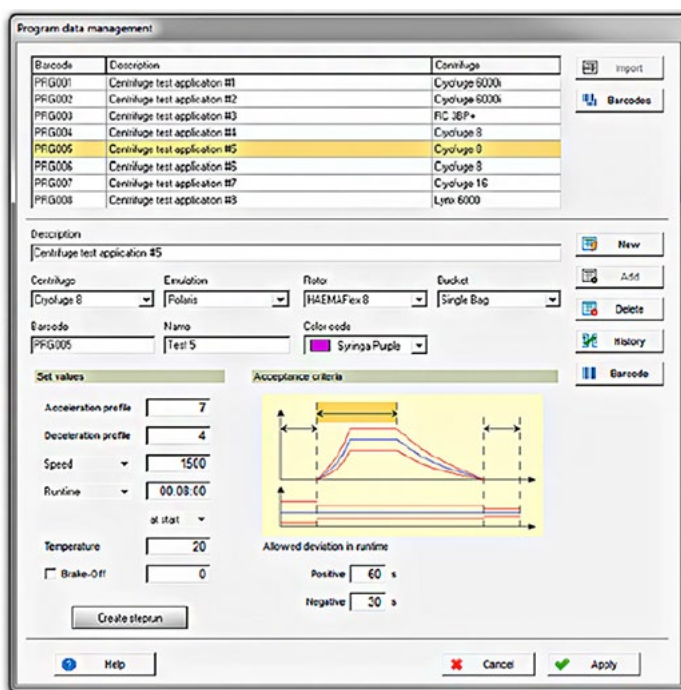
Centri-Log Plus Data Management Software is a protocol-tracking solution to enable life cycle management of processed samples, equipment optimization, and compliance with standard operating procedures. Connect and track multiple centrifuges on the same network. The software provides three logging models and optional external monitoring and control. Run logs can be downloaded via USB port or real-time via Ethernet.

- Improve traceability with documentation of processes, including continual monitoring of speed, time, and temperature with alarm messages in case of protocol deviation
- Ability to check run parameters against procedures in the database
- Connection to central database through customized export file

Description	Cat. No.
Centri-Log Plus Software	15510214
Sample Tracking Kit, contains barcode scanner, holder, and cable	15590204
Network Access Kit	15500214



Download the Centri-View application for instant remote monitoring and control, available for both iOS™ and Android™ devices.



Safety simplified at every turn

Ergonomics and safety

Experience effortless loading and unloading with optimal working height of 860 mm, an integrated surface work space, and front design with foot space allowing a closer position to the centrifuge.

- Easier and safer lifting and carrying of rotors with new speed handles, further enhanced with lightweight Fiberlite rotors
- The latest global safety standards without the need to bolt down the instrument to the floor, helping greatly simplify installation and flexibility to relocate within a facility
- Quiet performance (<59 dBA with fixed angle rotors, <61 dBA with swinging bucket rotors) helps provide a safe and reduced-stress environment
- Centrifuge door opens fully and automatically—even with full hands—by using the door-open bar mounted on front of the centrifuge
- Auto-Lock rotor exchange with Auto-ID instant rotor identification helps simplify run set-up and eliminate the worry of overspeeding or rotor accidents



Lightweight rotors with speed handles



Foot space for better rotor placement ergonomics

Secure investment

- Outstanding imbalance-tolerant drive helps improve system reliability and longevity
- Robust design supported by a 1-year unit warranty, 3-year drive warranty, 5-year refrigeration warranty, and comprehensive 15-year Fiberlite carbon fiber rotor warranty³
- Protect your investment with our complete portfolio of customized, integrated, and innovative services and support solutions

GMP/GLP data management

- Simplified quality control and record keeping
- Onboard run logging of user, run conditions, and error messages, downloadable with USB or Ethernet connections
- Electronic signatures for runs with user login and password protection



USB port for downloading run data

3. Subject to Thermo Fisher Scientific's standard limited warranty. See thermofisher.com or your sales representative for details.

Resource efficiency and sustainability

- **Energy use options:** Choose sleep mode settings for increased energy savings
- **Smart Vacuum:** Address performance and efficiency requirements with our partial air system, which partially evacuates the rotor chamber and reduces the power needed in a typical run (in the Sorvall LYNX 6000 centrifuge only)
- **Power factor corrector module:** Electronics designed for optimized interface with supply power system
- **Carbon fiber rotors:** Help reduce capital investment and eliminate unnecessary equipment disposal issues with longer lifetime of Fiberlite rotors, backed by a 15-year warranty³
- **Compliant with global environmental standards:** Restriction of Hazardous Substances (RoHS) Directive and Waste Electrical and Electronic (WEEE) Directive 2012/19/EU



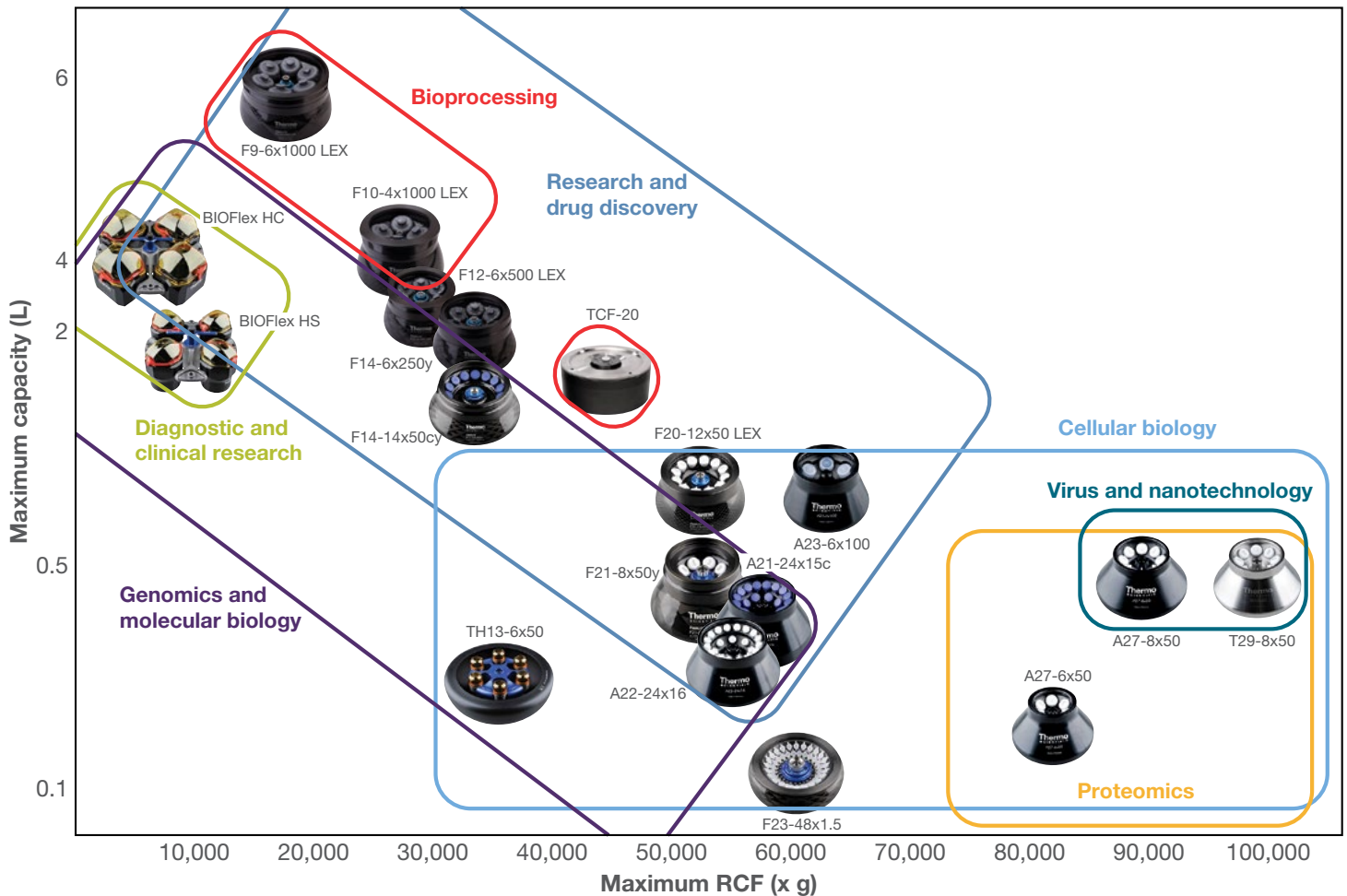
Applications simplified at every turn

The extensive rotor portfolio for the Sorvall LYNX Superspeed Centrifuge series supports labware from microplates, to microtubes, to 1 L bottles — providing applications flexibility for years to come, even as your lab's research focus evolves.

Innovative rotor convenience

- Accelerate and simplify rotor lid tightening, helping ensure lid is properly attached with speed handles
- Store rotor lid with onboard lid holder

Thermo Scientific™ Rotors are available for a wide range of processing needs—cellular biology, diagnostic and clinical research, genomics and molecular biology, proteomics, virus and nanotechnology, research and drug discovery, and bioprocessing.








































Fiberlite F9-6x1000 LEX rotor:
Lighter weight
LEX design supports 6 x 1 L bottles with the versatility of tube adapters from 1.5 mL microtubes to 500 mL bottles

Thermo Scientific™ BIOFlex™ HC Swinging Bucket Rotor with optional ClickSeal lids: Spin more than 35 tube styles with dozens of adapters for research flexibility of tube adapters from 1.5 mL microtubes to 1,000 mL bottles



Rotor specifications


Superspeed rotors					Sorvall LYNX 6000 Superspeed Centrifuge			Sorvall LYNX 4000 Superspeed Centrifuge				
Category	Cat. No.	Rotor	Max. capacity		Max. speed (rpm)	Max. RCF (x g)	K factor	Max. speed (rpm)	Max. RCF (x g)	K factor	Rmax (mm)	Sample containment
Swinging bucket rotors	13498809	BIOFlex HC	 4 x 1000 mL 40 x 50 mL conical 24 microplates		5,500	7,068	5,522	5,500	7,068	5,522	209	
	15309805	BIOFlex HS	 4 x 400 mL 4 x 250 mL conical		7,000	10,025	4,889	7,000	10,025	4,869	183	
	13496083	TH13-6x50	 6 x 50 mL round 6 x 50 mL conical 6 x 15 mL conical		13,100	30,314	1,503	13,100	30,314	1,503	157	
Fixed angle high capacity rotors	13456093	Fiberlite F9-6x1000 LEX	 6 x 1000 mL		9,000	17,568	2,886	n.A.			194	
	15109554	Fiberlite F10-4x1000 LEX	 4 x 1000 mL		10,500	20,584	2,767	10,500	20,584	4,268	167	
	13426093	Fiberlite F12-6x500 LEX	 6 x 500 mL		12,000	24,471	1,398	12,000	24,471	2,302	152	
	13491359	Fiberlite F14-6x250y	 6 x 250 mL		14,000	30,240	1,699	14,000	30,240	1,699	138	
Fixed angle high speed conical rotors	13431369	Fiberlite F14-14x50cy	 14 x 50 mL conical		14,000	33,746	798	13,000	29,097	925	154	
	13496093	A21-24x15c	 24 x 15 mL conical	Outer row	21,500	63,049	379	19,500	51,865	461	122	
Inner row				21,500	63,049	558	19,500	51,865	679	122		
Fixed angle high speed rotors	13476093	Fiberlite F20-12x50 LEX	 12 x 50 mL		20,000	51,428	455	18,000	41,657	562	115	
	13433346	Fiberlite F21-8x50y	 8 x 50 mL		20,000	47,850	744	18,000	38,759	919	107	
	13497868	A22-24x16	 24 x 16 mL	Outer row	22,000	60,063	377	22,000	60,063	377	111	
				Inner row	22,000	60,063	547	22,000	60,063	547	111	
15116214	A23-6x100	 6 x 100 mL		23,500	62,976	503	21,000	50,290	630	97		
Fixed angle highest RCF performance rotors	15386474	Fiberlite F23-48x1.5	 48 x 1.5 mL		23,000	57,368	199	18,500	37,116	307	97	
	15346923	A27-6x50	 6 x 50 mL		27,000	79,057	485	24,000	62,465	613	97	
	13584560	A27-8x50	 8 x 50 mL		27,000*	87,207	408	24,000	68,905	517	107	
	13486998	T29-8x50	 8 x 50 mL		29,000*	100,605	354	24,000	68,905	517	107	
Continuous flow/zonal rotors	15626287 #	TCF-20 Continuous flow	 1350 mL		20,000	42,931	620				96	
	17886077 #	TCF-20 Zonal	 1350 mL		20,000	42,931	620				96	

 Biocontainment certification by the Public Health England, Porton Down, UK or TÜV NORD CERT GmbH, Germany.

Continuous flow kit 75007637 is needed to order separately for rotor operation.

Rotor adapters

for Thermo Scientific BIOFlex HC swinging bucket rotor

Description	Rotor capacity (places x volume, mL)	Max tube dimensions (Ø x L, mm)	Cat. No.
Rotor			
BIOFlex HC Swinging Bucket Rotor	4 x 1,000		13498809
ClickSeal Biocontainment Lids for BIOFlex HC Buckets (set of 4)			13449289
BIOLink Adapter for BIOFlex HC Buckets (set of 4)			13449289
Adapters for BIOFlex HC Rotor (sets of 4)			
1 1,000 mL Polypropylene Wide-Mouth Bio-Bottle (75007300)	4 x 1,000	126 x 140	15339695
2 750 mL Polypropylene Wide-Mouth Bio-Bottle	4 x 750	98 x 133	13408999
3 500 mL Oak Ridge Bottle	4 x 500	70 x 160	15149485
4 500 mL Corning™ Conical Bottle	4 x 500	98 x 133	15169485 + Corning 10789721
5 250 mL Wide-Mouth Conical Bottle	4 x 250	62 x 145	15159485
5 250 mL Corning Conical Bottle or 200 mL Nunc Bottle or 175 mL Nalgene Conical Bottle	4 x 250	62 x 145	15159485
6 250 mL Nalgene Oak Ridge Bottle	8 x 250	62 x 130	15290525
6 225 mL BD Falcon™ Conical Bottle	8 x 225	62 x 130	15290525 + BD 10186020
6 200 mL Nunc Conical Bottle	8 x 200	62.5 x 139	15290525 + Nunc 10019010
6 175 mL Nalgene Wide-Mouth Conical Bottle	8 x 175	62 x 130	15290525 + Nalgene 10788851
7 50 mL Conical Tissue Culture Tube	40 x 50	30 x 120	11884491
8 50 mL Double Biocontainment Vessel for 50 mL Conical Tube	20 x 50	29.5 x 120	15382117
9 50 mL Nalgene Oak Ridge Tube	48 x 50	29.5 x 120	15302127
10 15 mL Conical Tissue Culture Tube	96 x 15	17.5 x 121	13419409
11 10 mL Blood Collection Tube or Corex™/Kimble™ Tube	148 x 10	17 x 110	11804501
12 5/7 mL Blood Collection Tube (BD Vacutainer™)	196 x 5/7	14 x 110	11814501
13 4.5/6 mL Blood Collection Tube (Greiner™)	164 x 4.5/6	14 x 110	11781268
14 Microplate Carriers	4 x 6 Standard or 4 x 2 Deep-Well	86 x 128	15109504
15 Small Blood Bag/Cell Culture Bags	4 x 2 Bags		15109645
Adapters for BIOFlex HC Rotor (sets of 4)*			
16 100 mL Round Bottom Open-Top Tube	8 x 100	62.5 x 139	10595494
17 50 mL Conical or Skirted Tube	20 x 50	29.5 x 120	11791268
18 25 mL Universal Conical or Skirted Tube	28 x 25	29.5 x 120	11844461
19 16 mL Nalgene Round Bottom Tube	48 x 16	18 x 134	11864461
20 15 mL Blood Collection Tube	32 x 15	17 x 125	11874461
21 5 mL RIA or Round Bottom Tube (without cap)	148 x 5	13 x 116	11894461
22 1.5/2.0 mL Conical or Round Bottom Microtube	192 x 1.5/2.0	11 x 50	11814471
23 T-75 Nunc Easy Flask	4 x T-75		12693523
24 T-25 Nunc Easy Flask	8 x T-25		12613553

 Biocontainment certification by the Public Health England, Porton Down, UK.

*All adapters from no. 16 to 24 must be used with a Thermo Scientific™ BIOLink™ Adapter (Cat. No. 75007304)



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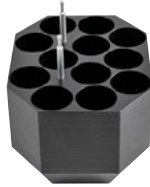
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Rotor adapters

for Thermo Scientific BIOFlex HS swinging bucket rotor

Cat. No.	Description	Rotor capacity (places x volume, mL)	Max tube dimensions (Ø x L, mm)
Rotor			
15309805	BIOFlex HS Swinging Bucket Rotor	4 x 400	
11764998	ClickSeal Biocontainment Lids for BIOFlex HS Buckets (set of 4)		
Adapters for BIOFlex HS Rotor (sets of 4)			
No adapter needed	25 400 mL Polypropylene Bio-Bottle (75007585)	4 x 400	80 x 125
15352127	26 250 mL Nalgene Wide-Mouth Conical Bottle	4 x 250	62 x 135
15372127	27 250 mL Oak Ridge Bottle	4 x 250	62 x 135
15372127	27 225 mL BD Falcon Conical Bottle	4 x 225	62 x 130
15352127	26 200 mL Nunc PPCO Conical Bottle	4 x 200	62 x 125
15352127	26 175 mL Nalgene Wide Mouth Conical Bottle	4 x 175	62 x 125
10460595	28 100 mL Round Bottom Open-Top Tube	4 x 100	45 x 117
10481935	29 50 mL DIN Round Bottom Tube	12 x 50	34.5 x 105
15312137	30 50 mL Conical Tissue Culture Tube	12 x 50	29.5 x 116
75003683	31 50 mL Conical Tissue Culture Tube	16 x 50	29.5 x 116
10358344	32 50 mL Nalgene Oak Ridge Tube	16 x 50	28.5 x 114
10595644	33 30 mL DIN Round/Flat Bottom Tube	20 x 30	25.5 x 108
10247084	34 20/25 mL Universal Round Bottom Tube	12 x 20	25 x 110
10297274	35 16 mL Nalgene Round Bottom Tube	28 x 16	18 x 112
10105244	36 15 mL Conical Tissue Culture Tube	36 x 15	17 x 121
10667555	37 15 mL Round Bottom Tube (Sarstedt™)	40 x 15	17 x 105
10062774	38 15 mL Blood Collection Tube (17 x 125 mm)	16 x 15	15.5 x 131
10014034	39 10/15 mL Corex/Kimble Tube or 10 mL Blood Collection Tube (BD Vacutainer/Vacurette™)	56 x 10/15	17 x 113
10105244	40 5/7 mL Blood Collection Tube (BD Vacutainer)	76 x 5/7	13 x 110
11701278	41 4.5/6 mL Blood Collection Tube (Greiner)	64 x 4.5/6	13 x 110
10627755	42 3/5 mL RIA or Round Bottom Tube (without cap)	76 x 3/5	11 x 110
10296454	43 1.5/2 mL Conical or Round Bottom Microtube	136 x 1.5/2	11 x 45

 Biocontainment certification by the Public Health England, Porton Down, UK.



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Labware selection simplified at every turn

Compatible labware for each rotor is indicated with a check mark. Please see photos (referenced by letter) below. (Labware not shown to scale.)

Cat. No.	Rotor	1,000 mL (A)	500 mL (B)	500 mL conical (C)	250 mL (D)	250 mL conical (E)	175 mL conical (F)	100 mL (G)	80 mL	50 mL	50 mL conical (H)	30 mL (I)	16 mL (J)	15 mL conical (K)	12 mL	10 mL (L)	7 mL	5 mL	4 mL microtubes (M)	3 mL	2.0 microtubes	1.5 microtubes	1.0 CAB tube	Microplates (N)	Tissue culture flask (O)	Filtration kits	Blood tubes (P)	Blood bags — small	
Swinging bucket rotors																													
13498809	BIOFlex HC	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
15309805	BIOFlex HS				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					✓	✓		
15309805	TH13-6x50									✓	✓	✓		✓															
Fixed angle high capacity rotors																													
13456093	Fiberlite F9-6x1000 LEX	✓	✓		✓	✓	✓	✓		✓	✓	✓	✓	✓		✓			✓		✓	✓						✓	
15109554	Fiberlite F10-4x1000 LEX	✓	✓		✓	✓	✓	✓		✓	✓	✓	✓	✓		✓			✓		✓	✓						✓	
13426093	Fiberlite F12-6x500 LEX		✓		✓	✓	✓	✓		✓	✓	✓	✓	✓		✓												✓	
13491359	Fiberlite F14-6x250y				✓		✓	✓		✓	✓	✓	✓	✓	✓	✓												✓	
Fixed angle high speed conical rotors																													
13431369	Fiberlite F14-14x50cy								✓	✓	✓	✓	✓		✓											✓	✓		
13496093	A21-24x15c												✓													✓			
Fixed angle high speed rotors																													
13476093	Fiberlite F20-12x50 LEX								✓	✓	✓	✓		✓														✓	
13433346	Fiberlite F21-8x50y								✓	✓	✓	✓		✓														✓	
13497868	A22-24x16											✓					✓	✓		✓	✓								
15116214	A23-6x100						✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓						✓	
Fixed angle high RCF performance rotors																													
15386474	Fiberlite F23-48x1.5																					✓							
15346923	A27-6x50								✓	✓	✓		✓	✓	✓	✓	✓		✓	✓	✓		✓					✓	
13584560	A27-8x50								✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓		✓					✓	
13486998	T29-8x50								✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓		✓					✓	



A. 1,000 mL



B. 500 mL



C. 500 mL conical



D. 250 mL



E. 250 mL conical



F. 175 mL conical



G. 100 mL



H. 50 mL conical



I. 30 mL



J. 16 mL



K. 15 mL conical



L. 10 mL



M. 4 mL



N. Microplates



O. Tissue culture flask



P. Blood tubes

Product specifications



Specifications	Sorvall LYNX 6000 Superspeed Centrifuge		Sorvall LYNX 4000 Superspeed Centrifuge	
Maximum capacity	Fixed angle rotor: 6 L (6 x 1,000) 9,000 rpm, 17,568 x g	Swinging bucket rotor: 4 L (4 x 1,000) 24 microplates, 40 x 50 mL or 96 x 15 mL conical tubes 5,500 rpm, 7,068 x g	Fixed angle rotor: 4 L (4 x 1,000) 10,500 rpm, 20,584 x g	Swinging bucket rotor: 4 L (4 x 1,000) 24 microplates, 40 x 50 mL or 96 x 15 mL conical tubes 5,500 rpm, 7,068 x g
Maximum speed	29,000 rpm		24,000 rpm	
Maximum RCF	100,605 x g (with T29-8x50 rotor)		68,905 x g (with A27-8x50 rotor)	
Rotor locking system	Auto-Lock		Auto-Lock	
Rotor identification	Auto-ID instant, automatic		Auto-ID instant, automatic	
Drive system	High torque brushless		High torque brushless	
Imbalance tolerance	5% of opposing loads ⁵		5% of opposing loads ⁵	
Partial vacuum system	Smart Vacuum		No vacuum	
HEPA filter	Optional		Not available	
Green technology	Green Mode, Smart Vacuum		Green Mode	
Control	Touchscreen interface		Touchscreen interface	
Accel/decel profiles	9 accel, 10 decel, brake-off option		9 accel, 10 decel, brake-off option	
Speed range	Minimum 500 rpm, maximum 29,000 rpm		Minimum 500 rpm, maximum 24,000 rpm	
Speed control accuracy	±25 rpm		±25 rpm	
Run time	99 hrs 59 min 59 sec, HOLD (with “at-start” and “at-speed” options)		99 hrs 59 min 59 sec, HOLD (with “at-start” and “at-speed” options)	
Step-runs	30 profile/speed/time triplets, up to 3 steps each		30 profile/speed/time triplets, up to 3 steps each	
Pre-cooling function	Yes		Yes	
Temperature set range	–20 to +40°C		–10 to +40°C	
Temperature accuracy	±2°C		±2°C	
ACE integrator (w2t)	Yes		Yes	
Continuous flow	Yes		No	
Other functions	Multilingual selection, rotor calculator, onboard training videos, user logging, user lock-out, automatic door opening, rotor speed handle		Multilingual selection, rotor calculator, onboard training videos, user logging, user lock-out, automatic door opening, rotor speed handle	
Instrument bolt down	Not required, optional seismic bolt down		Not required, optional seismic bolt down	
Dimensions (H x D x W)	930 x 805 x 700 mm/ 36.6 x 31.7 x 27.6 in.		930 x 805 x 700 mm/ 36.6 x 31.7 x 27.6 in.	
Work height of top deck	860 mm/ 33.9 in.		860 mm/ 33.9 in.	
Weight	293 kg/ 644 lb (Cat. No. 13426073) and 309 kg/ 680 lb (Cat. No. 15119206)		283 kg/ 622 lb (Cat. No. 75006580) and 299 kg/ 658 lb (Cat. No. 75006581)	
Heat output	<2.0 kW		<3.2 kW	
Noise	<59 dBA (fixed angle rotors), <61 dBA (swinging bucket rotors)		<59 dBA (fixed angle rotors), <61 dBA (swinging bucket rotors)	
Certification	cULus ⁶ , CE, IEC 61010-1, IEC 61010-2-020 and IEC 61010-2-011, RoHS, WEEE		cULus ⁶ , CE, IEC 61010-1, IEC 61010-2-020 and IEC 61010-2-011, RoHS, WEEE	
Cleanroom compatibility	Class ISO 6 according to DIN EN ISO 14644-1		Class ISO 6 according to DIN EN ISO 14644-1	
Warranty ⁷	1 yr unit, 3 yrs drive, 5 yrs refrigeration		1 yr unit, 3 yrs drive, 5 yrs refrigeration	






5. Fiberlite F9-6x1000 rotor imbalance is 25 g; BIOFlex HC rotor imbalance is 20 g (opposing loads).

6. Applies to Cat. No. 75006590 and 75006580 only.

7. Subject to Thermo Fisher Scientific standard limited warranty. See thermofisher.com or your sales representative for details.

Ordering information



Product	Cat. No.
Centrifuges	
Sorvall LYNX 6000 Superspeed Centrifuge, 200–240 V, 50/60 Hz, 30 A, Single-phase	13426073
Sorvall LYNX 6000 Superspeed Centrifuge, 380–400 V, 50/60 Hz, 16 A, 3-phase	15119206
Sorvall LYNX 4000 Superspeed Centrifuge, 200–240 V, 50/60 Hz, 30 A, Single-phase	13493336
Sorvall LYNX 4000 Superspeed Centrifuge, 380–400 V, 50/60 Hz, 16 A, 3-phase	15359805
Power plugs for Sorvall LYNX superspeed centrifuges⁸	
IEC60309 32A-6h 3 pin blue, 200–250 V	 15520184
NEMA 6-30P 30A-6h, 200–250 V	 20190358
IEC60309 32A-6h 5 pin red, 230–400 V	 15540184
IEC60309 16A-6h 5 pin red (3P+N+PE), 380/400 V	 15550184
3x AWG10 NEMA L6-30P/CEE	 15560184
Accessories	
HEPA Filter (for use with Cat. No. 75006590 and 75006591 only)	15682899

⁸ Centrifuges will include power plug most common for country of order. Please indicate alternate power plug requirements at time of order.

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